

**TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
PULCHOWK CAMPUS**



Submitted by:

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Department: III/I

Submitted to:

Department of Electronics
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index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Attention Is All You Need - Blog</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>

  <header>
    <h1>Transformer Blog</h1>
  </header>

  <nav>
    <a href="index.html">Home</a>
    <a href="about.html">About</a>
    <a href="contact.html">Contact</a>
  </nav>

  <div class="container">
    <h2>Attention Is All You Need: The Theory</h2>
    
    <p>
      The "Attention Is All You Need" paper introduced the Transformer architecture, which replaced recurrent neural networks (RNNs) and convolutional neural networks (CNNs) in sequence modeling tasks.
    </p>
    <h3>Self-Attention Mechanism</h3>
    <p>
      The core idea is the self-attention mechanism. It allows the model to weigh the importance of different words in a sentence relative to each other, regardless of their distance. This enables parallelization, making it much faster to train than RNNs.
    </p>
    <h3>Multi-Head Attention</h3>
    <p>
      Multi-head attention allows the model to jointly attend to information from different representational subspaces at different positions. Instead of one attention head, it uses multiple heads to learn different types of relationships.
    </p>
    <h3>Encoder and Decoder</h3>
    <p>
      The architecture consists of an encoder and a decoder. The encoder processes the input sequence, and the decoder generates the output sequence. Each is made up of several identical layers.
    </p>
  </div>

  <footer>
    <p>&copy; 2026 DL Blog</p>
  </footer>

</body>

</html>
```

about.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About - Transformer Blog</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
```

```

<header>
  <h1>Transformer Blog</h1>
</header>

<nav>
  <a href="index.html">Home</a>
  <a href="about.html">About</a>
  <a href="contact.html">Contact</a>
</nav>

<div class="container">
  <h2>About This Blog</h2>
  <p>
    This blog was created as a simple blog to explain the basics of the "Attention Is All You Need" p
  </p>
  <p>
    The goal is to provide a simple overview of Transformers for beginner students.
  </p>
</div>

<footer>
  <p>&copy; 2026 DL Blog</p>
</footer>

</body>

</html>

```

contact.html

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Contact - Transformer Blog</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>

  <header>
    <h1>Transformer Blog</h1>
  </header>

  <nav>
    <a href="index.html">Home</a>
    <a href="about.html">About</a>
    <a href="contact.html">Contact</a>
  </nav>

  <div class="container">
    <h2>Contact Us</h2>
    <form>
      <label for="name">Name:</label><br>
      <input type="text" id="name" name="name" style="width: 100%; padding: 8px; margin: 10px 0;"><br>
      <label for="email">Email:</label><br>
      <input type="email" id="email" name="email" style="width: 100%; padding: 8px; margin: 10px 0;"><br>
      <label for="message">Message:</label><br>
      <textarea id="message" name="message"
        style="width: 100%; height: 100px; padding: 8px; margin: 10px 0;"></textarea><br>
      <button type="button"
        style="padding: 10px 20px; background: #333; color: white; border: none; cursor: pointer;">S
    </form>
  </div>

  <footer>
    <p>&copy; 2026 DL Blog</p>
  </footer>

</body>

```

</html>

style.css

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
  line-height: 1.6;
  background-color: #f4f4f4;
}

header {
  background-color: #333;
  color: #fff;
  padding: 1rem 0;
  text-align: center;
}

nav {
  display: flex;
  justify-content: center;
  background-color: #444;
}

nav a {
  color: white;
  padding: 14px 20px;
  text-decoration: none;
  text-align: center;
}

nav a:hover {
  background-color: #555;
}

.container {
  padding: 20px;
  max-width: 800px;
  margin: auto;
  background: white;
}

h1, h2 {
  color: #333;
}

.blog-image {
  width: 100%;
  height: auto;
  margin-bottom: 20px;
  border: 1px solid #ddd;
}

footer {
  text-align: center;
  padding: 10px;
  background: #333;
  color: white;
  margin-top: 20px;
}
```